

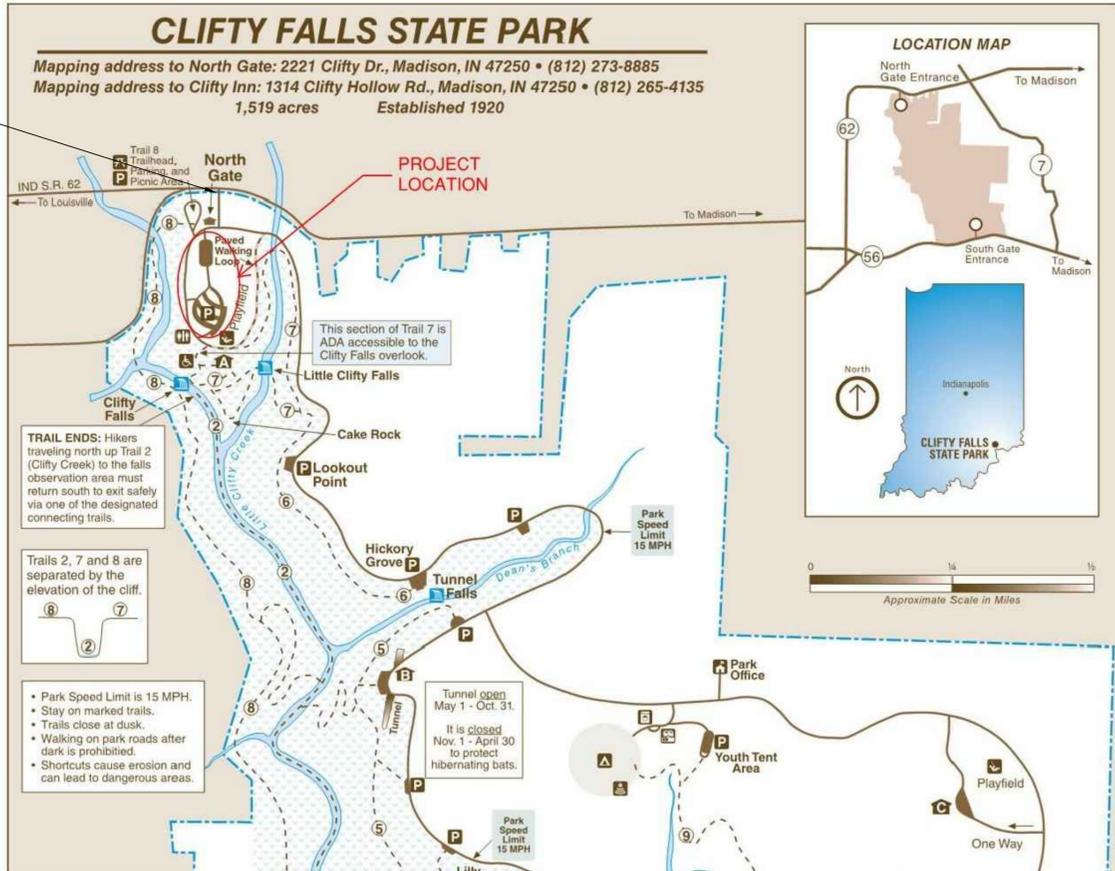
INDIANA DEPARTMENT OF ADMINISTRATION PUBLIC WORKS DIVISION

PUBLIC WORKS PROJECT NO. ENG2301725230 DNR - CLIFTY FALLS - PARKING ADDITION



NORTH ENTRANCE

This project is located in Clifty State Park. Approximately 1.1 mi West of SR 7 & SR 62 intersection. Construction equipment, and materials shall only access the site by way of the North access gate on IN SR 62.



Sheet List Table	
Sheet Number	Sheet Title
G-1	TITLE SHEET
C-1	EXISTING CONDITIONS
C-2	SITE PLAN
C-3	GRADING PLAN
C-4	DETAILS

UTILITY NOTES

- NOTE 1: All utilities depicted are at "Quality Level B" and "Quality Level C".
- NOTE 2: "Quality Level B" utility locates are based on markings provided by others. There is no guarantee as to the accuracy or completeness of these markings. Existing utility depths shown on profiles and cross sections are shown for reference purposes only and are based on what may be considered standard bury depths. The exact depth of existing utilities is uncertain and should be field verified by the contractor as needed.
- NOTE 3: "Quality Level C" utility locates are based on visible surface features which have been surveyed such as hydrants, valve boxes, meter boxes or other items related to a utility.
- NOTE 4: Utility quality level designations are based on ASCE 38-02 (Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data).

PLANS PREPARED BY:

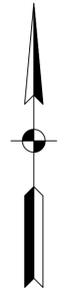


Offices in North Vernon, Seymour, & New Castle

72 Henry Street, PO Box 47
North Vernon, IN 47265

P: (812) 346-2045 Toll Free: 1-866-ENG-FPBH

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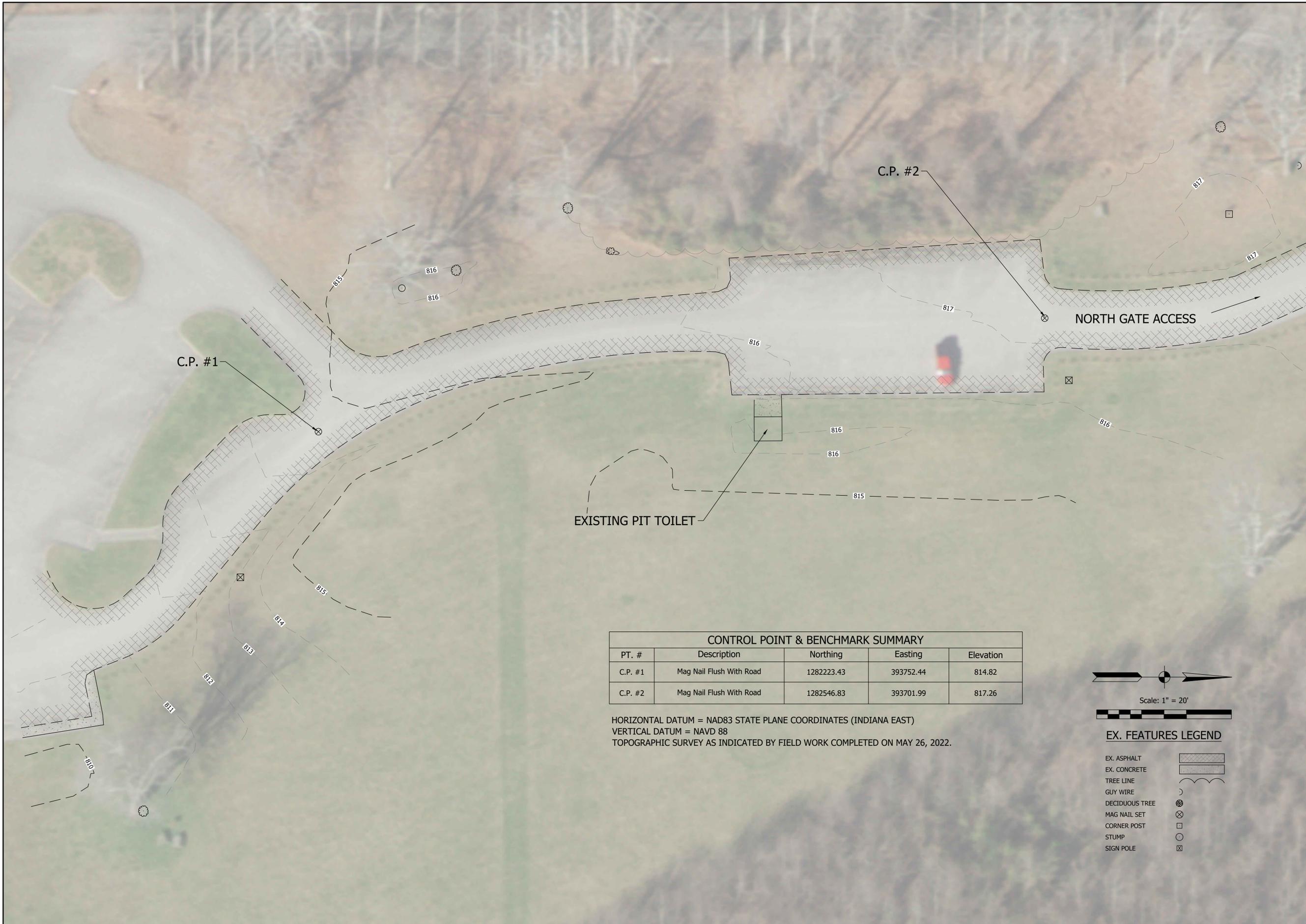
Scale: NTS



09/23/2022

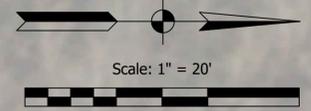
J. Shane Spicer

PREPARED FOR: INDIANA DEPARTMENT OF NATURAL RESOURCES
 PROJECT DESCRIPTION: CLIFTY FALLS STATE PARK
 FILE NUMBER: 21-12426
 DATE: SEPTEMBER 27, 2022
 DESIGN PHASE: FINAL PLANS
 PAPER SIZE: PLOT SHEETS TO SCALE ON ANSI D 22" X 34"



CONTROL POINT & BENCHMARK SUMMARY				
PT. #	Description	Northing	Easting	Elevation
C.P. #1	Mag Nail Flush With Road	1282223.43	393752.44	814.82
C.P. #2	Mag Nail Flush With Road	1282546.83	393701.99	817.26

HORIZONTAL DATUM = NAD83 STATE PLANE COORDINATES (INDIANA EAST)
 VERTICAL DATUM = NAVD 88
 TOPOGRAPHIC SURVEY AS INDICATED BY FIELD WORK COMPLETED ON MAY 26, 2022.



EX. FEATURES LEGEND

- EX. ASPHALT
- EX. CONCRETE
- TREE LINE
- GUY WIRE
- DECIDUOUS TREE
- MAG NAIL SET
- CORNER POST
- STUMP
- SIGN POLE

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 www.fpbhonline.com

09/23/2022

 J. Shane Spicer

SCALE: 1" = 20'		
DRAWN BY: BRB/ARC		
CHECKED BY: ARC		
DATE: SEPTEMBER 27, 2022		
Revision	Drawn By	Date

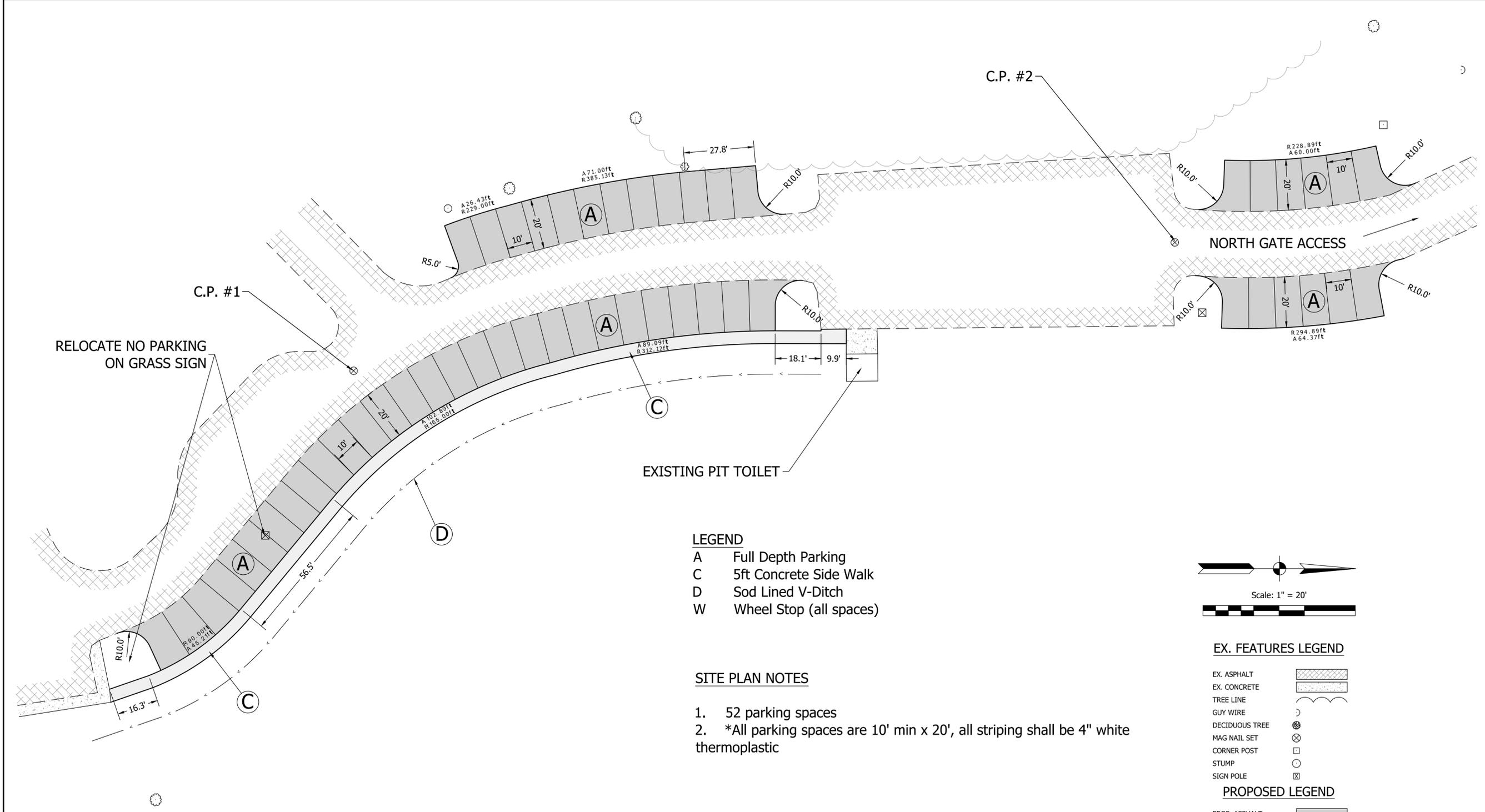
FILE NO: 21-12426
 CLIENT NAME:
 INDIANA DEPARTMENT OF
 NATURAL RESOURCES

PROJECT DESCRIPTION:
 CLIFTY FALLS PARKING
 ADDITION

SHEET TITLE:
 EXISTING CONDITIONS

DESIGN PHASE:
 FINAL PLANS

SHEET NUMBER:
C-1



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09/23/2022
 REGISTERED PROFESSIONAL ENGINEER
 No. 10911265
 STATE OF INDIANA
 SHANE SPICER

SCALE: 1" = 20'

DRAWN BY: BRB/ARC
 CHECKED BY: ARC
 DATE: SEPTEMBER 27, 2022

Revision	Drawn By	Date

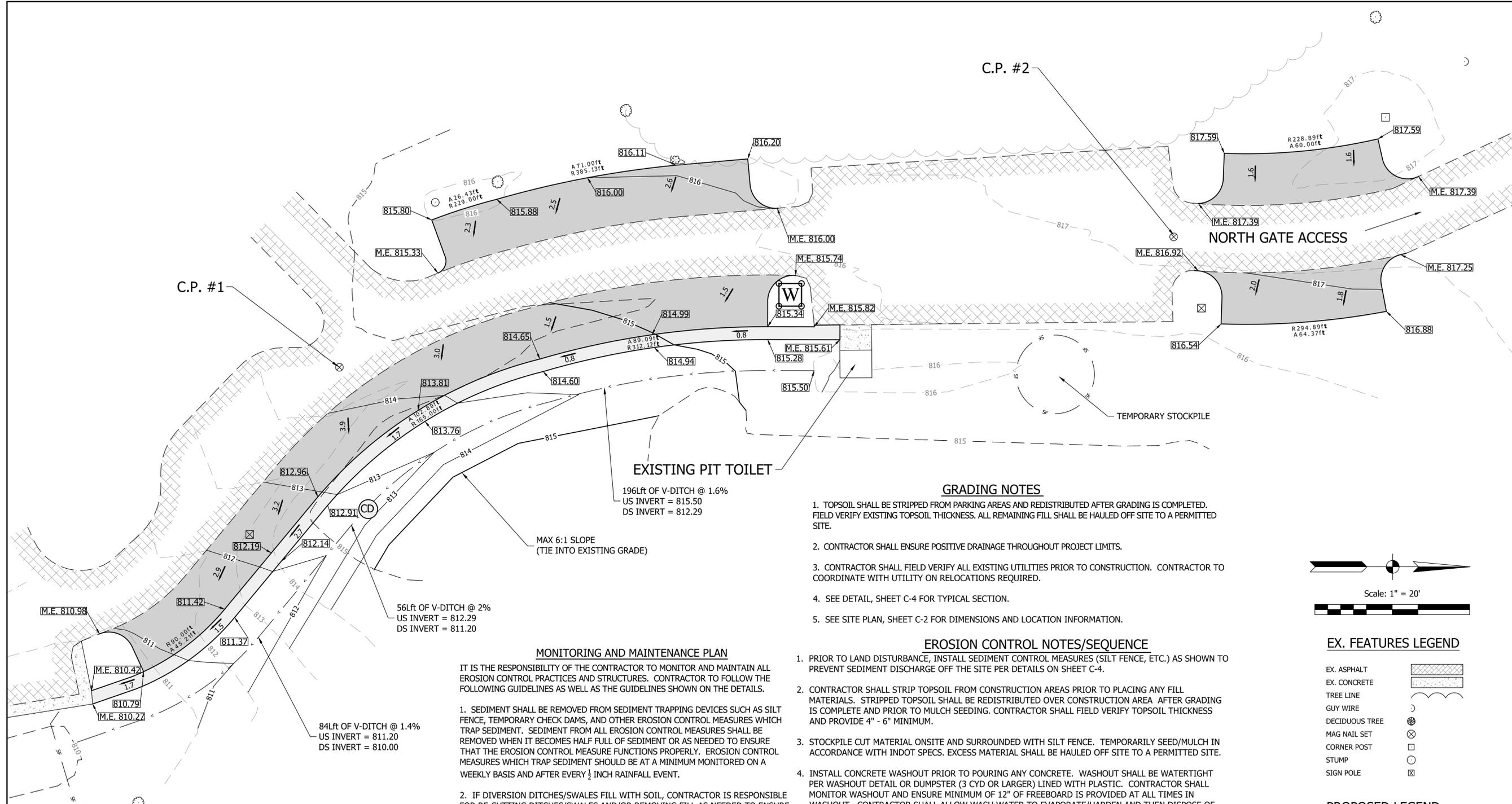
FILE NO: 21-12426
 CLIENT NAME:
 INDIANA DEPARTMENT OF NATURAL RESOURCES

PROJECT DESCRIPTION:
 CLIFTY FALLS PARKING ADDITION

SHEET TITLE:
 SITE PLAN

DESIGN PHASE:
 FINAL PLANS

SHEET NUMBER:
C-2



GENERAL NOTE:
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GRADING NOTES

1. TOPSOIL SHALL BE STRIPPED FROM PARKING AREAS AND REDISTRIBUTED AFTER GRADING IS COMPLETED. FIELD VERIFY EXISTING TOPSOIL THICKNESS. ALL REMAINING FILL SHALL BE HAULED OFF SITE TO A PERMITTED SITE.
2. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE THROUGHOUT PROJECT LIMITS.
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY ON RELOCATIONS REQUIRED.
4. SEE DETAIL, SHEET C-4 FOR TYPICAL SECTION.
5. SEE SITE PLAN, SHEET C-2 FOR DIMENSIONS AND LOCATION INFORMATION.

EROSION CONTROL NOTES/SEQUENCE

1. PRIOR TO LAND DISTURBANCE, INSTALL SEDIMENT CONTROL MEASURES (SILT FENCE, ETC.) AS SHOWN TO PREVENT SEDIMENT DISCHARGE OFF THE SITE PER DETAILS ON SHEET C-4.
2. CONTRACTOR SHALL STRIP TOPSOIL FROM CONSTRUCTION AREAS PRIOR TO PLACING ANY FILL MATERIALS. STRIPPED TOPSOIL SHALL BE REDISTRIBUTED OVER CONSTRUCTION AREA AFTER GRADING IS COMPLETE AND PRIOR TO MULCH SEEDING. CONTRACTOR SHALL FIELD VERIFY TOPSOIL THICKNESS AND PROVIDE 4" - 6" MINIMUM.
3. STOCKPILE CUT MATERIAL ONSITE AND SURROUNDED WITH SILT FENCE. TEMPORARILY SEED/MULCH IN ACCORDANCE WITH INDOT SPECS. EXCESS MATERIAL SHALL BE HAULED OFF SITE TO A PERMITTED SITE.
4. INSTALL CONCRETE WASHOUT PRIOR TO POURING ANY CONCRETE. WASHOUT SHALL BE WATERTIGHT PER WASHOUT DETAIL OR DUMPSTER (3 CYD OR LARGER) LINED WITH PLASTIC. CONTRACTOR SHALL MONITOR WASHOUT AND ENSURE MINIMUM OF 12" OF FREEBOARD IS PROVIDED AT ALL TIMES IN WASHOUT. CONTRACTOR SHALL ALLOW WASH WATER TO EVAPORATE/HARDEN AND THEN DISPOSE OF HARDENED CONCRETE. IF DISPOSED OF ONSITE, CONCRETE SHALL BE COMPLETELY BURIED AND COVERED WITH 2 FEET OR MORE OF FILL DIRT. CONTRACTOR SHALL PROVIDE SWCD IC203 DOCUMENTATION FOR ANY OFFSITE PERMITTED SPOIL SITES THAT ARE TO BE USED. SEE DETAIL SHEET C-4.
5. COMPLETE GRADING AND FILLING. ENSURE DRAINAGE PATTERNS ARE NOT ALTERED. PLACE FILL AND SPOILS IN 6" MAX LIFTS AND COMPACT.
6. PERFORM FINAL GRADING AND COORDINATE WITH OWNER ON PERMANENT SEED STABILIZATION MIX. IF NO DIRECTION IS PROVIDED STABILIZE WITH PERMANENT SEED MIXTURE TYPE 'U' IN ACCORDANCE WITH CURRENT INDOT SPECIFICATION SECTION 621.06. APPLY FERTILIZER AND MULCH PER INDOT SPECIFICATION 621.05. SEEDING SHALL BE IN ACCORDANCE WITH INDOT SPEC SECTION 621.12 SEASONAL LIMITATIONS: WARRANTY BOND REQUIRED FOR SEEDING DONE BETWEEN OCTOBER 16 AND JANUARY 31. SEEDING WITHOUT MULCH SHALL NOT BE DONE BETWEEN MAY 1 AND AUGUST 15. AS PART OF FINAL GRADING AND STABILIZATION, CONTRACTOR SHALL REMOVE ANY SEDIMENT ACCUMULATED IN TRAPPING DEVICES. IMMEDIATELY SEED SLOPES WITH MULCH SEEDING TYPE U OR EROSION CONTROL BLANKET WITH SEEDING. TYPE U SEED MIX SHALL BE APPLIED AT 196.5LB/ACRE CONSISTING OF 100LB/ACRE 4-WAY BLEND OF TURF TYPE TALL FESCUE, 50LB/ACRE CREEPING RED FESCUE, 45 LB/ACRE OF PERENNIAL RYE GRASS AND 1.5 LB/ACRE WHITE DUTCH CLOVER. REFER TO INDOT SPEC SECTION 621 FOR ADDITIONAL DETAILS. IF SLOPES EXCEED 3:1, EROSION CONTROL BLANKET IS REQUIRED. SEE SPECS FOR REQUIREMENTS.
7. AFTER PERMANENT EROSION CONTROL MEASURES (i.e. PERMANENT SEEDING) ARE WELL ESTABLISHED THE TEMPORARY EROSION CONTROL MEASURES (i.e. SILT FENCE, ETC.), SHALL BE REMOVED.

MONITORING AND MAINTENANCE PLAN

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MONITOR AND MAINTAIN ALL EROSION CONTROL PRACTICES AND STRUCTURES. CONTRACTOR TO FOLLOW THE FOLLOWING GUIDELINES AS WELL AS THE GUIDELINES SHOWN ON THE DETAILS.

1. SEDIMENT SHALL BE REMOVED FROM SEDIMENT TRAPPING DEVICES SUCH AS SILT FENCE, TEMPORARY CHECK DAMS, AND OTHER EROSION CONTROL MEASURES WHICH TRAP SEDIMENT. SEDIMENT FROM ALL EROSION CONTROL MEASURES SHALL BE REMOVED WHEN IT BECOMES HALF FULL OF SEDIMENT OR AS NEEDED TO ENSURE THAT THE EROSION CONTROL MEASURE FUNCTIONS PROPERLY. EROSION CONTROL MEASURES WHICH TRAP SEDIMENT SHOULD BE AT A MINIMUM MONITORED ON A WEEKLY BASIS AND AFTER EVERY ½ INCH RAINFALL EVENT.
2. IF DIVERSION DITCHES/SWALES FILL WITH SOIL, CONTRACTOR IS RESPONSIBLE FOR RE-CUTTING DITCHES/SWALES AND/OR REMOVING FILL AS NEEDED TO ENSURE PROPER FLOW DEPTH IS MAINTAINED THROUGHOUT CONSTRUCTION.

POST CONSTRUCTION EROSION CONTROL SEQUENCE

1. AFTER PERMANENT EROSION CONTROL MEASURES (i.e. PERMANENT SEEDING) ARE WELL ESTABLISHED THE TEMPORARY EROSION CONTROL MEASURES (i.e. TEMPORARY CHECK DAMS AND SILT FENCE) SHALL BE REMOVED.

CONTROL POINT & BENCHMARK SUMMARY

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09/23/2022

Gregory Shane Spencer

SCALE: 1" = 20'

DRAWN BY: BRB/ARC
CHECKED BY: ARC
DATE: SEPTEMBER 27, 2022

Revision	Drawn By	Date

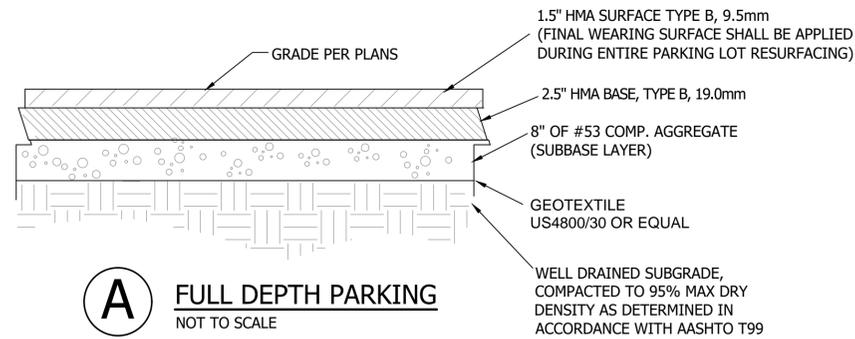
FILE NO: 21-12426
CLIENT NAME:
INDIANA DEPARTMENT OF
NATURAL RESOURCES

PROJECT DESCRIPTION:
CLIFTY FALLS PARKING
ADDITION

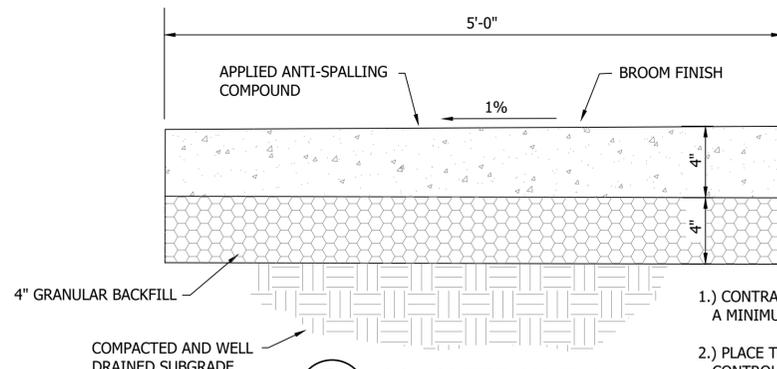
SHEET TITLE:
GRADING PLAN

DESIGN PHASE:
FINAL PLANS

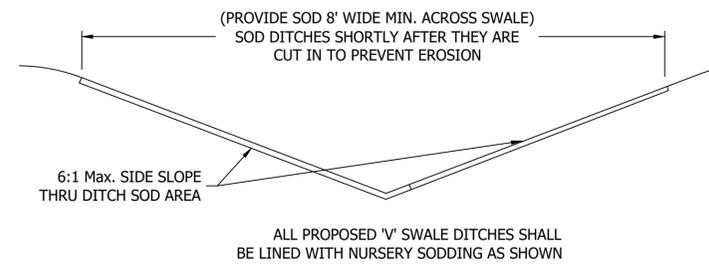
SHEET NUMBER:
C-3



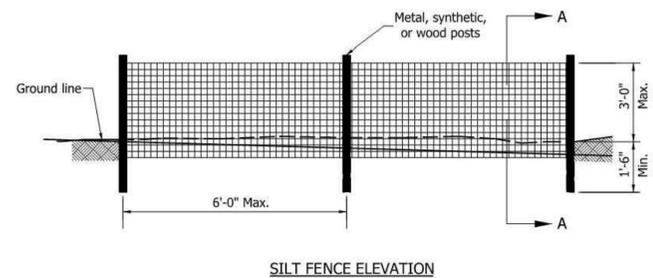
A FULL DEPTH PARKING
NOT TO SCALE



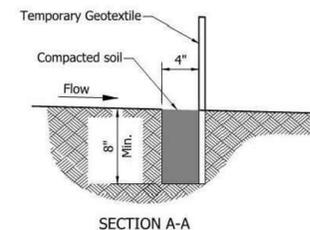
C CONCRETE SIDEWALK
NOT TO SCALE



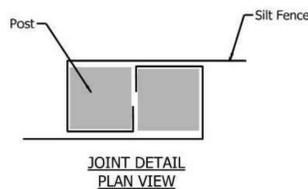
D SOD LINED "V" DITCH
NOT TO SCALE



SILT FENCE ELEVATION

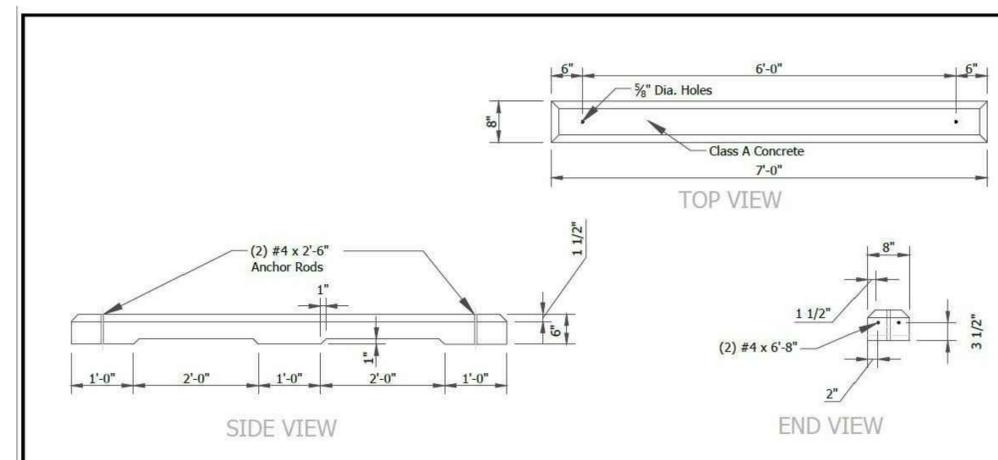


SECTION A-A

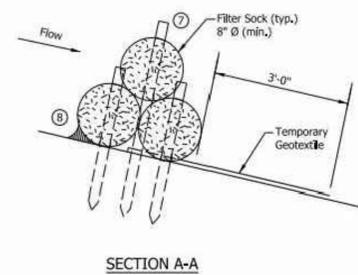


JOINT DETAIL PLAN VIEW

TEMPORARY SILT FENCE (PER INDOT STD. DWG E205-TECD-11)
NOT TO SCALE



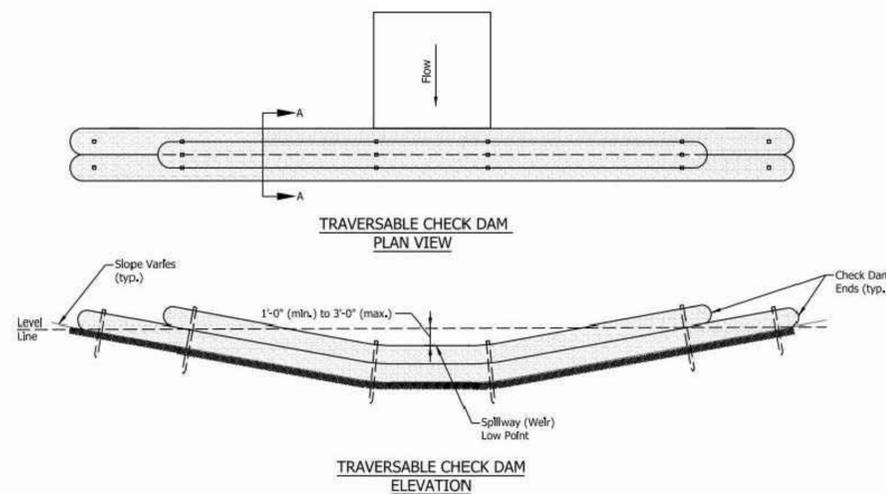
W CONCRETE PARKING WHEELSTOP DETAIL
NOT TO SCALE
(NOTE: DETAIL PROVIDED BY DNR DIVISION OF ENGINEERING)



SECTION A-A

NOTES:

1. Fiber roll may be substituted for filter sock.
2. Check dams shall be placed perpendicular to the flow of water.
3. Check dam ends shall be positioned as shown such that storm water flows over the well low point and does not flow around the ends.
4. Check dams shall remain in place until all upstream areas become stable.
5. Check dams shall be spaced such that the top of the downstream check dam is at the same elevation as the toe of the adjacent upstream check dam.
6. Filter sock shall be secured as shown or in accordance with the manufacturer's instructions.
7. Stake length shall be sufficient to wedge filter sock to the ground to prevent movement and undercutting.
8. When undercutting is identified, compacted #5 or #8 stone shall be placed as shown.

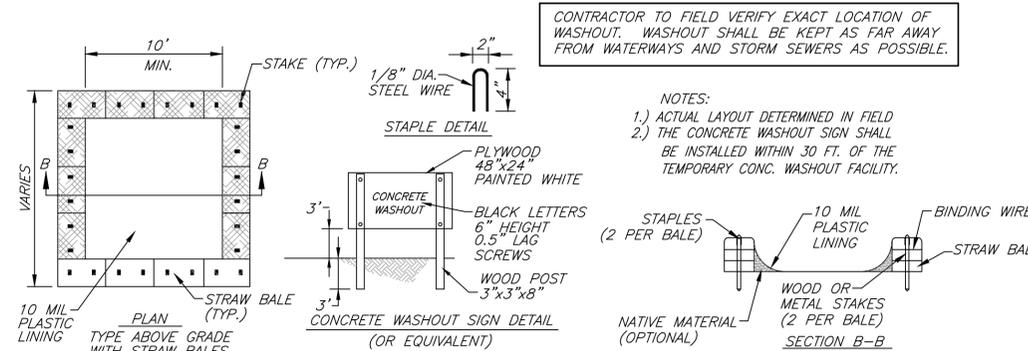


TRAVERSABLE CHECK DAM PLAN VIEW

TRAVERSABLE CHECK DAM ELEVATION

CD TEMPORARY CHECK DAM (PER INDOT STD. DWG E205-TECD-08)
NOT TO SCALE

INDIANA DEPARTMENT OF TRANSPORTATION	
TEMPORARY CHECK DAM, TRAVERSABLE	
SEPTEMBER 2019	
STANDARD DRAWING NO.	E 205-TECD-08



W CONCRETE WASHOUT DETAIL
NOT TO SCALE

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09/23/2022
REGISTERED PROFESSIONAL ENGINEER
No. 10911265
STATE OF INDIANA
Shane Spencer

SCALE: AS SHOWN
DRAWN BY: BRB/ARC
CHECKED BY: ARC
DATE: SEPTEMBER 27, 2022

Revision	Drawn By	Date

FILE NO: 21-12426
CLIENT NAME: INDIANA DEPARTMENT OF NATURAL RESOURCES
PROJECT DESCRIPTION: CLIFTY FALLS PARKING ADDITION
SHEET TITLE: DETAILS

DESIGN PHASE: FINAL PLANS
SHEET NUMBER: **C-4**